

State Agricultural Summaries

These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 5.6. Topsoil 17% very short, 36% short, 43% adequate, 4% surplus. Corn 92% harvested, 75% 1999, 80% 5 yr avg. Soybeans 96% setting pods, 88% 1999, 97% 5 yr avg.; 60% dropping leaves, 49% 1999, 46% 5 yr avg.; 11% harvested, 14% 1999, 5% 5 yr avg.; 38% very poor, 32% poor, 25% fair, 5% good. Pasture feed 32% very poor, 28% poor, 32% fair, 8% good. Livestock feed 7% very poor, 15% poor, 60% fair, 15% good, 3% excellent. Received much needed rainfall over most of the state. However, this same rainfall has inconvenienced those farmers harvesting cotton. Fall season livestock calving has begun.

ALASKA: Days suitable for fieldwork 5.3. Topsoil 80% adequate, 20% surplus. Subsoil moisture supplies, 5% short, 80% adequate, 15% surplus. Dry conditions allowed producers to make good progress with the fall harvests. Rainfall by the end of the week brought harvests to a halt in the Mat-Su Valley. High temperatures averaged mostly in the fifties, lows averaged mostly in the twenties north, forties south. Barley 55% harvested, 86% 1999, 87% avg. Oats 45% harvested, 66% 1999, 58% avg. Potato 80% harvest, 76% 1999, 77% avg. Hay cutting 70% 2nd harvest, 56% 1999, 53% avg. Hay supplies 50% short, 50% adequate. Supplies improved from 2 weeks ago with the cutting, harvesting of more hay. Rain, wind damage to unharvested crops, 85% none, 5% light, 5% moderate, 5% severe. Livestock feed 20% fair, 50% good, 30% excellent. Major farming activities for the week included: Cutting, harvesting hay, harvesting vegetables, harvesting small grains, harvesting potatoes.

ARIZONA: Area continued to record above average temperatures with very modest precipitation during the week of September 24. Continued warmer than average temperatures have helped cotton to progress ahead of the 5-yr avg. Lack of significant precipitation continues to adversely affect range, pasture feeds, but has little impact on field crops due to irrigation.

ARKANSAS: Days suitable for fieldwork 6.0. Soil moisture 63% very short, 24% short, 12% adequate, 1% surplus. Rice 94% ripe, 63% harvest, 70% 1999, 60% 5 yr. avg.; 1% very poor, 5% poor, 21% fair, 54% good, 19% excellent. Sorghum 100% turning color, 100% 1999, 5 yr avg.; 98% mature, 98% 1999, 94% 5 yr. avg.; 91% harvest, 88% 1999, 75% 5 yr. avg.; Cotton 93% opening bolls, 89% 1999, 83% 5 yr avg.; 23% harvest, 16% 1999 9% 5 yr avg.; 3% very poor, 17% poor, 38% fair, 36% good, 6% excellent. Soybean 100% setting pods, 100% 1999, 5 yr avg.; 44% shedding, 35% 1999, 26% 5 yr. avg.; 24% mature; 13% harvest, 12% 1999, 7% 5 yr. avg.; 22% very poor, 23% poor, 29% fair, 21% good, 5% excellent. Corn 97% harvest, 94% 1999, 91% 5 yr. avg.; Alfalfa Hay 14% very poor, 26% poor, 54% fair, 6% good, 0% excellent; Other Hay 33% very poor, 42% poor, 20% fair, 5% good, 0% excellent. Pasture, Range feeds 44% very poor, 40% poor, 14% fair, 2% good, 0% excellent. CROPS: Rice, sorghum, soybean, cotton harvest continued with corn harvest near completion. Defoliation continued in cotton fields. Full season soybeans were still being irrigated. Generally, good rice yield being reported. Dryland cotton, soybean yields in some areas are very poor. Worms, stink bugs were attacking late season soybeans. Some farmers were preparing to seed cool season crops such as wheat, ryegrass, oats. Others were waiting for moisture conditions to improve. LIVESTOCK: Cooler temperatures continued giving relief to livestock, poultry. Livestock were in fair condition. Farmers were weaning calves. Pastures across the state are in need of additional moisture. Selling-off of some cows, light calves continued due to lack of forage, supplemental feeding of hay was reported in many counties. Cattle were still being treated for flies, external parasites. Many reports are received on Friday, may not reflect conditional changes due to weekend weather.

CALIFORNIA: Cotton defoliation was in high gear, should remain so for several weeks. Second applications were being made in some fields. Estimates for percent of bolls open across the state ranged from 70% to 100%. Unseasonably hot weather early in the week aided cotton maturity. Fields of corn for silage, corn for grain were being harvested. Tulare County's silage corn harvest was 75 to 80% completed, grain corn harvest, 60 to 65% completed. Many fields, including harvested corn fields, were being prepared for winter planting to grain or forage. Black-

eyed beans were still being harvested in high volume. Several fields of alfalfa hay, sudan hay were being cut and baled. Some weedy or grassy older stands were being removed. Many fields of sugarbeets were being harvested, with excellent yields, sugar content. Insecticides were applied to some alfalfa, sugarbeet fields. Rice harvest was gaining momentum. Vineyards, fruit orchards were undergoing weed control, fungicide applications, and irrigation. Picking of grapes for fresh consumption was active in the San Joaquin Valley. Red Globe, Thompson Seedless were the primary varieties picked. Wine grape harvest was active. Nearly all of the grapes for raisins were harvested; 40% were on open trays, 45% rolled, 15% picked up, removed from the field. Picking of freestone, clingstone peaches, nectarines, plums, prunes was near completion. Asian pear picking was active in the San Joaquin Valley. Pomegranate, persimmon harvesting continued. Fuji, Granny Smith apple picking continued. Olive growers were trapping, spraying for the olive fruit fly. Harvest of olives was active. Grapefruit picking was active in the San Joaquin Valley. Lemon harvest was active in southern state. Market conditions slowed the harvest of valencia oranges. Raspberries were harvested in the Tehachapi area. Strawberry picking continued. Almond harvest gathered momentum as later variety trees were shaken. Walnuts were treated for codling moth, some early varieties were being harvested. Pistachio harvest was active. New broccoli, cauliflower sets may have been injured by unseasonably high temperatures. Hot weather caused squash blossoms to drop. The cantaloupe harvest was slow. Processing tomato harvest was very active. Harvesting of green, red peppers was also active. A high volume of lettuce was moving in the Salinas Valley, further south. Fall season head lettuce fields were irrigated, weeded, sprayed to control worms, leaf miners. Onion harvest was coming to a close. A large portion of the pumpkin crop was nearing maturity; some growers were already harvesting in the Stockton-Delta area. Winter vegetables planting continued. The spinach crop was progressing normally. Insecticide applications continued in the tomato, cauliflower, cantaloupe fields of the San Joaquin Valley. Additional vegetables harvested this week included: Basil; sweet corn; honeydew; watermelon; mixed melons; freezer beans; assorted cucumbers; eggplant; okra; green beans; several squash varieties; radishes; cilantro; fresh, processed garlic; green onions; snap peas; spinach; cherry tomatoes; carrots. An increased number of cattle were moving from summer pastures to winter foothill pastures. Foothill feed conditions were generally poor. Some areas had ample dry grass. Grass was short in other areas, particularly central state where rainfall was insufficient last season. Many cattle on foothill pastures were receiving supplemental feed. Fall calving began, supplemental feeding of lactating cows increased. High midweek temperatures reduced milk production, egg quality. Lambs continued to arrive in the Imperial Valley for the winter alfalfa grazing season.

COLORADO: Days suitable for fieldwork 5.5. Topsoil 16% very short, 40% short, 38% adequate, 6% surplus. Subsoil moisture 32% very short, 45% short, 23% adequate, 0% surplus. The week ended with an abrupt halt to the growing season along the Northern Front Range, portions of the Northern Eastern Plains. Rain, snow, freezing temperatures covered many areas of the state over the weekend. Dry onions 70% harvested, 71% 1999, 81% avg. Sugar beets 1% very poor, 3% poor, 10% fair, 64% good, 22% excellent. Summer potatoes 78% harvested, 87% 1999, 82% avg. Fall potatoes 53% harvested, 41% 1999, 35% avg. Dry beans 90% cut, 83% 1999, 80% avg.; 65% harvested, 59% 1999, 61% avg. Winter wheat 58% seeded, 74% 1999, 63% avg.; 30% emerged, 36% 1999, 29% avg. Spring wheat 96% harvested, 81% 1999, 84% avg. Alfalfa 80% 3rd cutting, 72% 1999, 70% avg, 30% 4th cutting, 11% 1999, 8% avg.

DELAWARE: Days suitable for fieldwork 3.5. Topsoil 3% short, 85% adequate, 12% surplus. Subsoil moisture 2% short, 93% adequate, 5% surplus. Field corn 68% mature, 69% 1999, 67% avg.; 24% harvested for grain, 38% 1999, 31% avg. Corn harvested for silage 65% harvested, 74% 1999, 78% avg. Soybeans 35% turning color, 32% 1999, 38% avg.; 18% shedding leaves, 12% 1999, 19% avg. Sorghum 4% fair, 94% good, 2% excellent; 65% turning, 56% 1999, 61% avg.; 24% mature, 31% 1999, 29% avg. Pasture feed 2% poor, 10% fair, 82% good, 6% excellent. Corn 3% fair, 80% good, 17% excellent. Soybean 20% fair, 54% good, 26% excellent. Apple 10% fair, 79% good, 11% excellent; 68% harvested, 69% 1999, 66% avg. Hay supplies 7% short, 90% adequate,

3% surplus. Percent of cutting hay crop harvest; clover, other hays, 43% 4th cutting cut, 42% 1999, 36% avg. Alfalfa 63% 4th cutting cut, 57% 1999, 60% avg. Tomatoes 96% harvested, 94% 1999, 94% avg. Activities: Lots of corn harvested early last week, then again showers on Tuesday. Starting to see quite a bit of yellow leaves in soybeans. Sweet corn harvest will likely end this week, apple, lima bean harvest continue.

FLORIDA: The passage of Hurricane Gordon over northern localities early in week and the passage of Tropical Storm Helene off the west coast, over the big Bend area at end of week brought significant rainfall to some northern areas. Tallahassee recorded almost 9.00 in.; Tampa, about 4.33 in. Quincy reported about 4.00 in. from Helene with very little wind. Rainfall from other major stations ranged from 1.00 in. at Pensacola to about 2.75 in. at West Palm Beach. Temperatures at major stations averaged mostly 1 to 2° above normal. Daytime highs in 80s, 90s; nighttime lows in 60s, 70s. Moisture in state adequate to surplus with scattered areas of very short or short moisture. Rain from Tropical Storm Helene delayed cotton, peanut harvest. Tobacco marketing active. Sugarcane in good condition. Haying active. Corn for grain harvest winding down. Thirty-five percent of peanuts harvested. Peanut 58% fair, 42% good. Rainfall from Tropical Storm Helene damaged some tomatoes in Quincy area with most acreage escaping significant injury. Immokalee, Dade, Palmetto-Ruskin, East Coast regions reported no significant damage to vegetables from Helene. Hurricane Gordon damaged some fields near Gulf of Mexico coast with most inland vegetables avoiding damage. Okra harvesting active, Dade County. Tropical Storm Helene add moisture to west coast citrus groves. Surface moisture adequate, more rain needed to refill water reservoirs. Abundant new growth, new crop fruit in good condition with good fruit sizes. Early fruit being picked for fresh shipments. Caretakers cutting cover crops, removing, burning dead trees, spraying, fertilizing. Pasture feed 30% fair, 70% good. Cattle 35% fair, 65% good. Statewide, range, pasture in fair to good condition. North: stock ponds still very low despite heavy rains. Central: pasture grass improved following rain; cattle feed good. West central: pastures getting rain; haying slowed; calving season is on. Southwest: some pastures with standing water after hurricane Gordon.

GEORGIA: Days suitable for field work 3.9. Soil moisture 2% very short, 11% short, 65% adequate, 22% surplus. Hay 5% very poor, 15% poor, 40% fair, 38% good, 2% excellent. Peanuts 27% dug, 50% 1999, 48% avg. Rye 7% planted, 8% 1999, 9% avg. Sorghum 18% very poor, 22% poor, 35% fair, 24% good, 1% excellent; 31% harvested for grain, 64% 1999, 48% avg. Soybeans 98% setting pods, 99% 1999, 100% avg. Tobacco 98% harvested, 100% 1999, 99% avg. Other small grains 5% planted, 7% 1999, 4% avg. Apples 10% poor, 38% fair, 49% good, 3% excellent; 54% harvested, 45% 1999, 51% avg. Pecans 9% very poor, 14% poor, 35% fair, 36% good, 6% excellent. Rainfall from tropical storms fell over most of State last week. Field work was active early in week but rainfall caused delays later in week. As much as 5 inches fell in some areas. Soil moisture was mostly adequate with some reports of surplus. Rainfall will be beneficial for fall crops, late maturing peanuts but may cause problems for harvesting of hay, cotton, peanuts. Spraying for Armyworms in hay, pasture fields continued. Corn harvest was in final stage. Cotton harvest began but most fields were too wet to pick. Reports from south state suggest that heavy rains may cost some farmers lint. Sorghum harvest continued. Digging of peanuts, planting of rye was active early in the week but rain has delayed most activities. The recent rains have not been beneficial for fall vegetables. There have been reports of vegetables suffering from excess water. Crown rot disease on vegetables showed up in south state. Harvest of soybeans was just getting underway, apple harvest has passed the half way mark.

HAWAII: Days were mostly sunny, dry with scattered showers, cloudy periods. Weather conditions remained fair for agriculture. Almost all parts of the State received light to moderate beneficial showers, making active irrigation necessary. Banana, papaya harvesting will remain steady. Papaya orchards were in mostly fair to good condition with isolated disease infection. Head cabbage fields were in fair to good condition. Harvesting was active, of moderate to heavy volume. Drier weather benefitted ginger harvest.

IDAHO: Days suitable for field work 6.5. Topsoil 23% very short, 41% short, 34% adequate, 2% surplus. County Extension Agents across the state reported a hard freeze during the weekend. Cold temperatures will put some potatoes, alfalfa hay at risk of freezing. Irrigation supply 13% excellent, 24% good, 30% fair, 22% poor, 11% very poor. Onions 44% harvested, 63% 1999, 54% avg. Potato vines 92% dying/killed, 82% 1999, 86% avg.; 23% harvested, 20% 1999, 18% avg. Oats 100% harvested for grain, 93% 1999, 89% avg. Dry beans 74% harvested, 81%

1999, 66% avg. Peaches 97% harvested, 92% 1999, 93% avg. Prunes, plums 91% harvested, 68% 1999, 78% avg. Apples 28% harvested, 13% 1999, 17% avg. Sweet corn 86% harvested, 85% 1999, 88% avg. Corn 49% harvested for silage, 47% 1999, 41% avg.; 0% harvested for grain, 3% 1999, 2% avg. Mint 31% 2nd cutting, 0% 1999, 4% avg. Alfalfa hay 91% 3rd cutting harvested, 85% 1999, 73% avg. Sugarbeets 4% harvested, 6% 1999, 6% avg. Winter wheat 30% planted, 20% 1999, 28% avg.; 5% emerged, 4% 1999, 7% avg. Activities: Monitoring for disease, planting winter wheat, killing potato vines, fall field work, digging early sugarbeets, harvesting small grains, hay, mint, sweet corn, potatoes, dry beans, corn for silage, fruit.

ILLINOIS: Days suitable for fieldwork 5.2. Topsoil 6% very short, 21% short, 63% adequate, 10% surplus. Soybeans 97% turning yellow, 94% 1999, 82% avg. Poor stalk quality continued to cause problems for farmers in areas with severe wind damage. Sudden Death Syndrome is being reported throughout the state with a wide range of severity. Some farmers were busy finishing chopping silage last week, while others were preparing equipment, storage for harvest, visiting the local FSA office to sign papers for LDP processing.

INDIANA: Days suitable for fieldwork 5.2. Topsoil 2% very short, 8% short, 77% adequate, 13% surplus. Subsoil 7% very short, 16% short, 70% adequate, 7% surplus. Corn, soybean harvest made good progress early in week. Mid-week showers slowed field activities, some areas. Corn stalks are weak, many fields. Corn is going down in some fields. Farmers are very concerned about lodging problems. Corn, soybean plants advancing rapidly toward maturity. Tobacco harvest winding down. Preparing soils, seeding winter wheat continued. Precipitation averaged 0.30 to 2.02 inches. Temperatures averaged 2E below to 4E above normal. Range, pasture 1% very poor, 3% poor, 29% fair, 56% good, 11% excellent. Soybeans 55% mature, 68% 1999, 46% avg. Fourth cutting alfalfa hay continued. Tobacco 85% harvest, 90% 1999, 77% avg. Major activities: Baling hay, cleaning grain bins, hauling grain to market, mowing roads, harvesting seed corn, hauling manure, seeding winter wheat, preparing equipment for fall harvest, caring for livestock.

IOWA: Days suitable for field work 5.6. Topsoil 31% very short, 36% short, 32% adequate, 1% surplus. Subsoil moisture 43% very short, 37% short, 20% adequate. Rapid progress made in corn, soybean harvest across much of state this week. Harvest in full swing in all but northern two corners of the state. In northeastern district, some producers waiting for corn to dry down further; in northwestern state, rain, drizzle shut down harvesting for a day. Reporters across the state indicated stalk rot in corn continues to be a problem; some fields of corn badly lodged. Farmers welcomed rain this week but would still like to see more. Creeks drying up in north central state; fires in south central district have been blamed on dry conditions. Corn mature 98% stage, 90% 1999, 75% avg.; 21% harvested, 8% 1999, 5% avg. Percent moisture of all field corn 21% avg.; 17% harvested.; 32% lodging none, 35% light, 25% moderate, 8% heavy.; 50% ear droppage none, 31% light, 17% moderate, 2% heavy, 4% very poor, 9% poor, 26% fair, 48% good, 13% excellent. Soybean leaves 100% turning color, 93% 1999, 91% avg.; 95% dropping leaves, 65% 1999, 63% avg.; 23% harvested, 6% 1999, 6% avg.; 63% lodging none, 28% light, 9% moderate, 43% shattering none, 39% light, 15% moderate, 3% heavy, 5% very poor, 9% poor, 33% fair, 45% good, 8% excellent. Winter wheat 30% planted, 19% 1999, 19% avg. Range, pasture feed 24% very poor, 28% poor, 24% fair, 22% good, 2% excellent. Alfalfa 99% Third cutting, 93% 1999, 91% avg. Livestock reported to be in good condition. Reporters in northeastern section of the state note that calves weaned this Fall will have good weights. In south central state, calves colts being weaned; cattle being turned onto meadows, into stubble fields. Pastures in this area very dry; showing some stress.

KANSAS: Days suitable for fieldwork 6.5. Topsoil 70% very short, 26% short, 4% adequate. Subsoil moisture 58% very short, 35% short, 7% adequate. Row crop harvest continues at record pace. Sunflower ray flowers 98% dry, 94% 1999, 85% bracts yellow, 76% 1999, 55% dry-down, 34% 1999, 42% harvest, 7% 1999, 4% very poor, 19% poor, 40% fair, 36% good, 1% excellent. Alfalfa 78% 4th Cutting, 83% 1999, 70% avg.

KENTUCKY: Days suitable for fieldwork 5.4. Topsoil 6% very short, 24% short, 63% adequate, 7% surplus. Subsoil moisture 12% very short, 28% short, 57% adequate, 3% surplus. Above normal temperatures. Rainfall was above normal. Corn 50% harvest, 80% 1999, 45% avg. Soybean harvest is just beginning. Burley 91% cut, 93% 1999, 82% avg.

Dark tobacco 90% cut, 92% 1999, 87% avg. Housed tobacco 1% very poor, 5% poor, 23% fair, 55% good, 16% very good. Pasture feed 2% very poor, 6% poor, 24% fair, 58% good, 10% excellent.

LOUISIANA: Days suitable for fieldwork 5.6. Soil moisture 36% very short, 33% short, 25% adequate, 6% surplus. Cotton harvest was in full swing. Hay 97% final cutting, 85% 1999, 88% avg. Rice producers continued to prepare fields for next year. Soybeans 97% leaves turning, 94% 1999, 85% avg. Sugarcane 5% very poor, 12% poor, 41% fair, 35% good, 7% excellent; 99% planted, 98% 1999, 81% avg.; 3% harvested, 0% 1999, 0% avg. Sugarcane producers were getting geared up for harvest. Sweet Potatoes 37% harvested, 41% 1999, 42% avg. Sweet potato harvest continued with an increasing amount of insect problems. Wheat 3% planted, 2% 1999, 2% avg. Livestock 6% very poor, 19% poor, 42% fair, 30% good, 3% excellent. Cattlemen were planting rye grass, marketing calves. Vegetables 22% very poor, 36% poor, 29% fair, 12% good, 1% excellent.

MARYLAND: Days suitable for fieldwork 4.7. Topsoil 3% short, 88% adequate, 9% surplus. Subsoil moisture 2% very short, 9% short, 81% adequate, 8% surplus. Lima beans 62% harvested, 81% 1999, 71% avg. Snap Beans 95% harvested, 94% 1999, 95% avg. Soybeans 45% turned, 35% 1999, 49% avg.; 20% shedding leaves, 15% 1999, 27% avg. Sorghum 83% good, 17% excellent; 72% turning color, 71% 1999, 73% avg.; 30% mature, 27% 1999, 32% avg.; 12% harvested, 21% 1999, 12% avg. Tobacco 95% harvested, 88% 1999, 94% avg. Field corn 92% dent, 91% 1999, 95% avg.; 67% mature, 70% 1999, 70% avg.; 17% harvested for grain, 30% 1999, 31% avg.; 53% harvested for silage, 74% 1999, 72% avg. Pasture feed 1% very poor, 1% poor, 12% fair, 55% good, 31% excellent. Corn 1% very poor, 2% poor, 4% fair, 47% good, 46% excellent. Soybean 3% very poor, 3% poor, 16% fair, 53% good, 25% excellent. Apple 2% very poor, 20% fair, 64% good, 14% excellent; 39% harvested, 38% 1999, 38% avg. All hay supplies 1% very short, 3% short, 78% adequate, 18% surplus. Percent of cutting hay crop harvest; 85% 3rd cutting cut, 88% 1999, 81% avg.; 40% 4th cutting cut, 61% 1999, 45% avg. Alfalfa 55% 4th cutting cut, 46% 1999, 65% avg. Comments: Good corn yields so far. Most of the soybeans seem to have made good pod sets.

MICHIGAN: Days suitable for fieldwork 4.0. Topsoil 1% very short, 3% short, 70% adequate, 26% surplus. Subsoil 4% very short, 19% short, 69% adequate, 8% surplus. All hay 1% very poor, 7% poor, 21% fair, 54% good, 17% excellent. Dry beans 9% very poor, 13% poor, 36% fair, 31% good, 11% excellent. All Hay 75% 3rd cutting, 93% 1999, 85% avg. All Hay 21% 4th cutting, 38% 1999, 28% avg. Corn 97% dough, 100% 1999, 98% avg.; 78% dent, 99% 1999, 85% avg. Dry beans 100% turning leaves, 100% 1999, 100% avg.; 78% shedding leaves, 100% 1999, 95% avg.; 53% mature, 99% 1999, 81% avg.; 21% harvested, 76% 1999, 56% avg. Silage 38% harvested, 83% 1999, 55% avg. Soybeans 80% turning leaves, 99% 1999, 86% avg.; 14% mature, 63% 1999, 33% avg. Cool weather held crops back this week. Crops remain behind 5-yr maturity avg. Season total growing degree days continued to lag normal in Thumb. Most of Lower Peninsula has not seen a killing frost yet. Patchy frost Upper Peninsula, northern Lower Peninsula expanded area of State which reached end of growing season. District precipitation for week ranged from 0.21 western Upper Peninsula to 2.88 south central Lower Peninsula. Temperatures again below normal most of Lower Peninsula. Rain, cooler weather during past week limited most farm activity. Early planted corn ripening, looking good but late planted corn not. Harvest of corn for silage picked up. Early planted soybeans looking good. Late planted soybeans some low lying areas hurt by frost. Dry bean harvest slowed by weather conditions. Winter wheat planting going well. Harvest continued on snap beans, peppers, melons, summer, winter squash, greens, onions, carrots, celery. Potato harvest continued with good yield, quality. Pumpkins continued to mature with some good yields. Harvest of slicing, pickling cucumbers completed. Cauliflower sold limited quantities as bulk of crop is still to be harvested. Fresh market tomato yield, quality remained excellent for wholesale, retail markets. Apple varieties being harvested last week included Empire, McIntosh, Jonagold, Jonathan, Golden Delicious, Gala, Cortland, Honeycrisp. Peach harvest completed. Fall raspberry harvest winding down. Harvest of Niagara grapes finished last week. Harvest of Concord grapes will begin this week.

MINNESOTA: Days suitable for fieldwork 5.6. Topsoil 28% very short, 34% short, 37% adequate, 1% surplus. Soybeans 99% turning yellow, 94% 1999, 95% avg.; 74% mature, 42% 1999, 40% avg. Rye 90% seeded, 81% 1999, 82% avg. Sweet corn 99% harvested, 95% 1999, 93% avg. Canola 99% harvested, 78% 1999, NA avg. Potatoes 54% harvested, 39% 1999, 39% avg. Field corn 95% cut for silage, 82% 1999,

67% avg. Sugarbeets 11% harvested, 8% 1999, 8% avg. Sunflowers 1%, 0% 1999, 5% avg. Grain/hay 76% stubble plowed, 64% 1999, 65% avg. Dry beans 47% harvested, 38% 1999, 61% avg. Pasture feed 7% very poor, 22% poor, 31% fair, 34% good, 6% excellent, 2% very poor, 11% poor, 35% fair, 43% good, 9% excellent. Potatoes 1% very poor, 3% poor, 36% fair, 49% good, 11% excellent. Sunflowers 1% very poor, 4% poor, 27% fair, 58% good, 10% excellent. Sugarbeets 1% very poor, 6% poor, 18% fair, 52% good, 23% excellent. Widespread frost was received Thursday morning, with another round of harder frosts on Sunday morning. Although the frost was light in many areas, a killing frost may have been received in scattered fields. Rainfall continues to skirt the central portion of the state, where topsoil moisture conditions remain very short to short.

MISSISSIPPI: Days suitable for fieldwork 5.8. Soil moisture 37% very short, 39% short, 22% adequate, 2% surplus. Cotton 16% very poor, 21% poor, 35% fair, 25% good, 3% excellent. Rice 4% poor, 19% fair, 61% good, 16% excellent. Sweetpotatoes 45% harvested, 42% 1999, 36% avg.; 12% poor, 54% fair, 34% good. Hay (Warm Season) 91% harvested, 92% 1999, 97% avg. Cattle, 6% very poor, 14% poor, 42% fair, 33% good, 5% excellent. Pasture 33%, very poor, 24% poor, 31% fair, 11% good, 1% excellent. Planting of winter crops has begun in many parts of the state. The harvesting of the corn, sorghum crops is nearing completion.

MISSOURI: Days were suitable for fieldwork during the week 4.9 Topsoil 14% very short, 28% short, 56% adequate, 2% surplus. Rain fell over most of the state this past weekend slowing crop harvest progress, providing much needed soil moisture. The weekly precipitation averaged 1.93 inch, ranging from 0.81 inch in the east central to 3.07 inches in the northwest. Corn harvested ranged from 39% northeast to 97% southwest, Bootheel 93%. Soybean 15% harvest. Soybeans harvested ranged from 2% south central to 32% west central. Sorghum harvested varied from 17% northeast to 83% Bootheel. Wheat 3% seeded. Pasture feeds 26% very poor, 33% poor, 26% fair, 14% good, 1% excellent.

MONTANA: Days suitable for fieldwork 4.1. Topsoil 30% very short, 55% short, 15% adequate, 0% surplus. Subsoil moisture 50% very short, 44% short, 6% adequate, 0% surplus. Oats 99% harvested, 92% 1999, 95% avg. Corn harvested 65% for silage, 59% 1999, 59% avg. Dry beans 90% harvested, 80% 1999, 81% avg. Spring wheat 97% harvested, 89% 1999, 94% avg. Potatoes 5% harvested, 9% 1999, 11% avg. Sugar beets 9% harvested, 13% 1999, 8% avg. Alfalfa hay 98% 2nd cutting, 93% 1999, 95% avg. Cattle, calves moved from summer 47% ranges, 37% 1999, 25% avg. Sheep, lambs moved from summer 52% ranges, 39% 1999, 30% avg. The beginning of last week was hot, dry so farmers were able to make harvesting progress before the moisture, in some cases in the form of snow, came at the end of the week. The precipitation, cooler temperatures were a welcomed break from the unseasonably warm, dry conditions that we have been experiencing. Many winter wheat producers had indicated they wouldn't seed their crops until moisture was received, now they are beginning or making plans to start soon. However, some producers are planning on planting spring grains instead. The continued pasture, range feed shortages have producers looking at many different alternatives for winter rations. The Central portions of the state are reporting that hay supplies are drastically short, are having to supplement with purchased feed.

NEBRASKA: Days suitable for fieldwork 5.8. Topsoil 46% very short, 34% short, 20% adequate while subsoil moisture supplies were rated mostly very short. Temperatures for the week averaged from near normals to 5° below normals. Precipitation ranged from traces to nearly three inches in the Panhandle. Wheat 65% seeding, 72% 1999, 63% avg.; precipitation received in the major wheat producing areas last week. Corn 17% very poor, 14% poor, 35% fair, 24% good, 10% excellent; 93% mature, 73% 1999, 56% avg.; 30% harvested, 8% 1999, 5% avg. Soybeans 22% very poor, 23% poor, 32% fair, 20% good, 3% excellent; 96% dropped leaves, 64% 1999, 59% avg.; 18% harvested, 6% 1999, 4% avg. Sorghum 90% mature, 45% 1999, 42% avg.; 49% harvested, 4% 1999, 2% avg. Alfalfa 75% 4th cutting harvested. Pasture, range feed 57% very poor, 29% poor, 12% fair, 2% good. Some cattle receiving supplemental feed, cattle moved to stalk fields as available. Other producer activities included: Moving grain to market, livestock care.

NEVADA: Weather patterns continued to oscillate widely, as Fall weather abruptly reasserted itself. Rains fell across northern, central state at midweek, temperatures fell sharply. Winnemucca received .4 inch, Ely .26 inch, Reno .03 inch. Hard frost was common across the

north-central, northeast, with overnight lows of 19° in Elko, 21° in Ely, 26° in Winnemucca. Fourth cutting of alfalfa was active prior to the rains. Alfalfa seed harvest virtually complete. Potato digging was in full swing until interrupted by rains. Corn chopping for green feed continued. Garlic, onion harvests complete. Field preparation, planting of fall seeded winter grains continued. Some planting of new alfalfa fields continued. Some late gathering of cattle continued, as did sorting, marketing. Main farm, ranch activities: Alfalfa hay harvest, potato harvest, corn chopping, field preparation, fall planting, irrigation, livestock marketing.

NEW ENGLAND: Days suitable for fieldwork 6.0. Topsoil 1% very short, 11% short, 83% adequate, 5% surplus. Subsoil moisture 1% very short, 7% short, 88% adequate, 4% surplus. Pasture feed 7% very poor, 7% poor, 31% fair, 47% good, 8% excellent. Maine potatoes 30% harvested, 25% 1999, 30% avg.; condition excellent to good. Rhode Island potatoes 60% harvested, 70% 1999, 70% avg.; condition good. Massachusetts potatoes 70% harvested, 65% 1999, 70% avg.; condition good to fair. Oats in Maine 65% harvested, 95% 1999, 85% avg.; condition excellent to good. Barley in Maine 70% harvested, 99% 1999, 90% avg.; condition excellent to good. Silage corn 15% harvested, 65% 1999, 35% avg.; condition fair to good. Sweet corn 90% harvested, 95% 1999, 95% avg.; condition fair to good. First crop hay 99% harvested, 100% 1999, 100% avg.; condition good to fair. Second crop hay 90% harvested, 95% 1999, 90% avg.; condition good to fair. Third crop hay 70% harvested, 70% 1999, 65% avg.; condition good. Apples 45% harvested, 55% 1999, 50% avg.; fruit size avg, condition good to fair. Peaches 95% harvested, 99% 1999, 99% avg, fruit size avg, condition good. Pears 45% harvested, 40% 1999, 50% avg, fruit size avg, condition good. Cranberries 5% harvested, 10% 1999, 10% avg, fruit size avg, condition good. Highbush blueberries 99% harvested, 100% 1999, 99% avg.; fruit size avg, condition good. Cool mornings, sunny afternoons persisted throughout most the week. Major farm activities included: Chopping field corn; sowing cover crops; harvesting potatoes, small grains, apples, pumpkins, squash, tomatoes, cucumbers, peppers, sweet corn, cranberries, fall raspberries, grapes; making hay.

NEW JERSEY: Days suitable for field work 5.0. Topsoil 60% adequate, 40% surplus. Corn 35% mature, 15% harvested, 80% good, 20% excellent. Producers reported some fields were slow to dry down due to continued wet weather. Soybean 59% good, 41% excellent. Hay harvest was hampered by heavy rains which fell across much of the state early last week. Fall spinach, cabbage, lettuce were rated in mostly good condition with harvest about 10-15% complete. Sweet potatoes were rated in mostly good condition with harvest in some localities about 10% complete. Digging has been hampered by wet field conditions. Producers have reported disease, pest problems in some pumpkin fields due to prolonged wet weather. Apple harvest was nearing 50% completion in some areas with the crop rated in mostly good condition.

NEW MEXICO: Days suitable for field work 6.8. Topsoil 56% very short, 30% short, 14% adequate. State experienced a typical week for late summer. Temperatures were above normal for most of the week, although the first cold front of the season brought cooler air into the state late in the week. The statewide average was between 2 and 3° above normal for the week. Scattered showers produced measurable rainfall at some locations in the north, central, but amounts were light. Total sorghum was looking better last week with 52% very poor, 27% poor, 17% fair, 4% good; sorghum coloring 66%; 1999, 83%, 68% 5-yr, 27% mature, 53% 1999, 7% 5-year. Corn remained in mostly fair to good condition, with corn 79% mature. Peanuts were in fair to good condition, with harvest at 30%. Alfalfa was reported in mostly fair to good condition. Alfalfa harvest is starting to slow with the 92% 5th cutting, 56% 6th cutting. Cotton showed little change, in mostly fair to excellent condition with bolls 79% opening. The chile crop declined slightly from the previous week, in mostly fair to excellent condition, with green chile 84% harvested, 12% red harvested. Ranches in the northern part of the state received a little of the very needed moisture last week. Cattle, sheep conditions continued to decline from the previous week. Pasture, range feed 26% very poor, 42% poor, 25% fair, 7% good.

NEW YORK: Days suitable 4.8. Soil moisture 80% adequate, 20% surplus. Pasture feed 72% good, 28% excellent. Hay 83% good, 17% excellent. Alfalfa 73% 2nd cutting finished 3rd cutting, 92% 1999, 80% avg. Corn 38% fair, 54% good, 8% excellent. Corn silage 17% harvested, 70% 1999, 42% avg. Oats 90% harvested, 100% 1999, avg. Soybeans turning color, about 10 days later than normal. Apple picking gained momentum. Crop in good to excellent condition. Grapes ripened fast. Vegetable harvesting continued as late season crops began moving to market.

NORTH CAROLINA: Days suitable for fieldwork to 4.6 compared to last week's estimate of 6.0. Cool temperatures, rainfall highlighted the beginning of fall for state. A tropical disturbance dumped heavy rains across much of the Coastal Plains region, Southern Piedmont, contributed to rainfall throughout the rest of the State. Soil moisture levels are indicative of the excess moisture with their current rating of 1% very short, 9% short, 66% adequate, 24% surplus. Though fieldwork was limited, farmers took advantage of the dry weather early in the week to make good progress in harvesting corn for grain, silage. Additionally, tobacco harvest advanced toward completion. Cotton, peanut farmers are hoping for warmer, drier weather in order to move forward with their respective harvest. Phenologically, the cool wet weather has slowed cotton boll opening, soybean leaf dropping. Other activities during the week included: Spraying defoliant on cotton, preparing land for planting cover crops, sorghum, sweetpotato, vegetable harvest, tending livestock, cutting hay. Apple producers continue to make strides in this year's harvest.

NORTH DAKOTA: Days suitable for fieldwork were 4. Topsoil 12% very short, 21% short, 61% adequate, 6% surplus. Subsoil moisture 14% very short, 20% short, 60% adequate, 6% surplus. Widespread frosts this past weekend will hasten the dry down of row crops while harvest was delayed in the central, east due to cool, wet weather. Durum wheat 89% combined, 62% 1999, 84% avg. Canola 96% combined, 80% 1999. Dry bean development 69% cut, 59% 1999, 76% avg.; 52% combined, 41% 1999, 62% avg. Flaxseed 84% combined, 55% 1999, 69% avg. Potatoes 59% dug, 40% 1999, 49% avg. Sunflowers 96% bracts yellow, 73% 1999, 91% avg.; 71% bracts brown, 34% 1999, 61% avg.; 1% combined, 0% 1999, 2% avg. Dry bean 9% very poor, 10% poor, 21% fair, 44% good, 16% excellent. Potatoes 4% very poor, 5% poor, 16% fair, 47% good, 28% excellent. Sunflowers 2% very poor, 6% poor, 29% fair, 51% good, 12% excellent. Pasture, range feeds 11% very poor, 17% poor, 35% fair, 35% good, 2% excellent. Stockwater 8% very short, 15% short, 73% adequate, 4% surplus.

OHIO: Days suitable for fieldwork 5.5 days. Topsoil 2% very short, 6% short, 87% adequate, 5% surplus. Fall, winter apples 46% harvested; 44% 1999. Alfalfa hay 95% 3rd cutting; 99% 1999; 92% avg.; 53% 4th cutting; 71% 1999. Corn 94% dented; 100% 1999; 91% avg.; 44% mature; 76% 1999; 39% avg.; 3% harvested for grain; 13% 1999; 5% avg.; 64% harvested for silage; 73% 1999; 43% avg. Cucumbers 99% harvested; 100% 1999. Grapes 54% harvested; 53% 1999. Other hay 74% 3rd cutting; 89% 1999; 75% avg. Potatoes 87% harvested; 77% 1999; 61% avg. Processing tomatoes 80% harvested; 87% 1999; 74% avg. Soybeans 74% dropping leaves; 92% 1999; 71% avg.; 32% mature; 62% 1999, 5% harvested, 24% 1999; 10% avg. Tobacco 86% harvested; 80% 1999. Winter wheat 2% planted; 8% 1999; 4% avg. Corn 1% very poor, 5% poor, 22% fair, 48% good, 24% excellent. Hay 0% very poor, 3% poor, 20% fair, 60% good, 17% excellent. Pasture 1% very poor, 4% poor, 23% fair, 59% good, 13% excellent. Soybeans 3% very poor, 9% poor, 27% fair, 45% good, 16% excellent. Activities for the week included: Harvesting corn, soybeans; attending Farm Science Review; planting winter wheat; shelling corn; chopping silage; harvesting fruits, vegetables; baling hay, straw; cutting, housing tobacco; spreading lime, fertilizer; chopping, spraying weeds; building waterways; constructing grain storage facilities; cutting firewood; fall tillage; clipping wheat stubble; installing conservation practices; reseeding pastures, hay fields; pulling tomato stakes; attending county fairs. Reported weed pressures included giant ragweed, johnsongrass, lambsquarters, ironweed, morning glory, bindweed. Reported insects included Japanese beetles, yellow jackets, corn borers, aphids, squash bugs, cucumber beetles, blister beetles. Reported corn diseases included diplodia stalk rot, mold, rust. Other diseases reported were white mold on soybeans, black rot in grapes, powdery mildew on pumpkins. The fruit, vegetable harvest is in full swing throughout state. Producers are busy picking tomatoes, peppers, cabbage, pumpkins, sweet corn, apples, grapes, green beans, melons, squash. A Northeast district reporter mentioned that pumpkins yields are lower than normal this year. In the Central Hills district, apples, grapes are average to above average in size. Livestock were reported in good to excellent condition. Calves are being weaned in several counties. Cool temperatures have kept livestock under minimal stress. In addition, pastures are still rated in mostly good condition.

OKLAHOMA: Days suitable for fieldwork 6.5. Topsoil 74% very short, 25% short, 1% adequate. Subsoil moisture 51% very short, 38% short, 11% adequate. Wheat 75% seedbed prepared, 73% last week, 89% 1999, 84% avg. Oats 68% seedbed prepared, 64% last week, 87% 1999, 78% avg.; 9% planted, 8% last week, 11% 1999, 13% avg. Rye 77%_

seedbed prepared, 72% last week, 81% 1999, 72% avg.; 10% planted, 6% last week, 42% 1999, 29% avg. Corn 98% mature, 87% last week, 98% 1999, 80% avg.; 74% harvested, 61% last week, 61% 1999, 55% avg. Sorghum 10% very poor, 29% poor, 27% fair, 32% good, 2% excellent, 78% coloring, 71% last week, 90% 1999, 89% avg; Soybeans 22% very poor, 37% poor, 33% fair, 8% good, 93% setting pods, 91% last week, 89% 1999, 95% avg.; 53% mature, 48% last week, 46% 1999, 49% avg.; 35% harvested, 33% last week, 18% 1999, 16% avg. Peanuts 33% mature, 32% last week, 24% 1999, 34% avg.; 3% combined, n/a last week, 0% 1999, 0% avg. Alfalfa Hay 15% very poor, 28% poor, 37% fair, 18% good, 2% excellent, 75% 4th cutting, 72% last week, 73% 1999, 72% avg.; 30% 5th cutting, 21% last week, 16% 1999, 12% avg. Other Hay 18% very poor, 28% poor, 31% fair, 20% good, 3% excellent, 76% 2nd cutting, 75% last week, 68% 1999, 67% avg. Livestock 2% very poor, 10% poor, 39% fair, 45% good, 4% excellent. Cattle auctions reported slightly above average marketings with feeder steer, heifer prices mostly steady.

OREGON: Days suitable for fieldwork 7. Topsoil 9% very short, 38% short, 53% adequate. Subsoil 10% very short, 41% short, 49% adequate. Barley 98% harvested, 82% 1999, 92% avg. Winter Wheat 10% planted, 11% avg. Range, pasture 2% very poor, 36% poor, 36% fair, 21% good, 5% excellent. Activities: Fall field preparation continued state wide. Third, fourth cuttings of hay winding down in southeast part of state. Corn silage harvest started in Malheur County. In Willamette Valley, fall grains, grass seed being planted. There are a few fields of red clover left to be combined. In southwest valleys haying winding down. Nurseries, Greenhouses still irrigating, getting ready for fall. Movement of container, balled, burlapped plants increasing as fall arrives. Easter lily growers harvesting bulbs in hot weather for four straight days until weather cooled off. In Willamette Valley late planted sweet corn still being harvested, cole crops, salad vegetables still available in volume. Washington County, however, reported sweet corn, tomatoes, cucumbers, squash, eggplant heavily damaged by frost. Onions being dug with some in drying sheds, being run for sale. Counties to south reported truck gardens still busy, fresh produce plentiful despite two frosty mornings; processed corn, table beets being harvested, even some pumpkins getting ripe. Some planting of fall crops had been done in Jackson County. In Eastern state, onion, potato harvest continued; late Russets appeared to have better yields than earlier varieties. Anjou pear harvest finished at Hood River, beginning at Parkdale in Hood River Valley. In southern state, pear, apple harvest also continued. In Willamette Valley, apple, peach, pear, prune picking continued. Hazelnut drop continued. Walnuts, grapes maturing. Range, pasture feeds mainly poor to fair east. In Willamette Valley, recent greenup has been slowed by another extended dry period, supplemental feeding continued. Livestock condition remains mostly good to excellent. Cattle movement off of forest, other ranges continued in southeastern counties. In Klamath County, yearling movement to feedlots neared completion. Weaning of calves continued in southeast.

PENNSYLVANIA: Days suitable for field work 4.9. Soil moisture 8% short, 86% adequate, 6% surplus. Fall 31% plowing, 39% 1999, 43% avg. Corn 83% dent, 73% 1999, 78% avg.; 31% mature, 38% 1999, 38% avg.; 7% harvested, 12% 1999, 8% avg.; 44% silage, 64% 1999, 49% avg.; 2% poor, 14% fair, 56% good, 28% excellent. Barley 26% planted, 43% 1999, 30% avg.; 10% emerged, 26% 1999, avg not available. Winter wheat 15% planted, 12% 1999, 19% avg. Soybean crop 1% poor, 8% fair, 55% good, 36% excellent. Potatoes 63% harvested, 49% 1999, 49% avg. Apples 57% harvested, 39% 1999, 41% avg. Grapes 15% harvested, 27% 1999, 35% avg. Alfalfa 83% 3rd cutting, 87% 1999, 83% avg.; 60% 4th cutting, 51% 1999, 45% avg. Timothy clover 89% 2nd cutting, 90% 1999, 92% avg. Quality of hay made 6% very poor, 9% poor, 37% fair, 39% good, 9% excellent. Activities include: Harvesting apples, grapes, vegetables, potatoes, tobacco; machinery maintenance; filling silos; spreading lime, fertilizers; hauling, spreading manure; caring for livestock; making hay, haylage; fall plowing; seeding fall crops.

SOUTH CAROLINA: Days suitable for field work 4.5. Soil moisture 1% very short, 12% short, 64% adequate, 23% surplus. Apples 50% harvested, 61% 1999, 61% avg.; 71% fair, 29% good. Barley 7% planted, 6% 1999, 3% avg. Corn 86% harvested, 97% 1999, 91% avg. Cotton 100% bolls set, 100% 1999, 100% avg.; 66% bolls opened, 68% 1999, 71% avg.; 7% harvested, 7% 1999, 9% avg.; 1% very poor, 11% poor, 41% fair, 43% good, 4% excellent. Livestock 1% poor, 27% fair, 60% good, 12% excellent. Oats 6% planted, 4% 1999, 6% avg. Peanuts 18% harvested, 11% 1999, 20% avg.; 3% poor, 43% fair, 48% good, 6% excellent. Pecans 2% harvested, 0% 1999, 3% avg.; 19% poor, 61% fair, 20% good. Rye 7% planted, 9% 1999, 8% avg. Sorghum 98% turned color, 97% 1999, 98% avg.; 72% matured, 71% 1999, 73% avg.; 50% harvested, 49% 1999, 51% avg.; 5% very poor, 8% poor, 46% fair, 41%

good. Soybeans 100% bloomed, 100% 1999, 100% avg.; 97% pods set, 97% 1999, 97% avg.; 22% turned color, 30% 1999, 23% avg.; 10% dropped, 12% 1999, 9% avg.; 5% matured, 6% 1999, 4% avg.; 3% very poor, 11% poor, 32% fair, 49% good, 5% excellent. Sweetpotatoes 29% harvested, 19% 1999, 22% avg.; 4% very poor, 17% poor, 50% fair, 29% good. Tobacco 98% harvested, 98% 1999, 99% avg.; 82% stalks destroyed, 78% 1999, 75% avg. Winter Grazing 23% planted, 17% 1999, 23% avg.; 17% emerged, 8% 1999, 15% avg. Winter Wheat 8% planted, 7% 1999, 6% avg.

SOUTH DAKOTA: Days suitable for field work 5.5. Topsoil 33% very short, 40% short, 27% adequate. Subsoil moisture 37% very short, 36% short, 27% adequate. Feed supplies 3% very short, 18% short, 71% adequate, 8% surplus. Stock water supplies 24% very short, 28% short, 44% adequate, 4% surplus. Winter Rye 53% planted, 54% 1999, 67% avg.; 8% emerged, 30% 1999, 38% avg. Corn silage 91% harvested, 75% 1999, 57% avg. Soybeans 74% mature, 32% 1999, 41% avg. Sorghum 16% harvested-grain, 5% 1999, 5% avg.; 70% silage harvested, 35% 1999, 34% avg. Sunflower 5% very poor, 13% poor, 33% fair, 39% good, 10% excellent. r ray 99% flowers dry, 93% 1999, 98% avg.; 89% bracts yellow, 77% 1999, 84% avg.; 50% mature, 29% 1999, 40% avg.; 10% harvested, 1% 1999, 4% avg. Alfalfa hay 14% very poor, 22% poor, 27% fair, 32% good, 5% excellent, 75% 3rd cutting harvested, 77% 1999, NA% avg. Range, Pasture 13% very poor, 23% poor, 34% fair, 24% good, 6% excellent. Cattle 3% poor, 21% fair, 60% good, 16% excellent. Sheep 2% poor, 15% fair, 63% good, 20% excellent. Cool air moved into the state late in the week bringing rain and snow. Philip SD had a high of 104, a low of 22°. Cool, damp, wet weather toward the end of the week slowed harvest, field work after crops, producers made excellent progress early in the week. Despite both poor water supplies, short range, pasture, cattle are rated 76% in good to excellent condition.

TENNESSEE: Days suitable for fieldwork 6. Topsoil 25% very short, 40% short, 33% adequate, 2% surplus. Subsoil moisture 34% very short, 38% short, 27% adequate, 1% surplus. Pastures 19% very poor, 27% poor, 35% fair, 17% good, 2% excellent. Burley 90% harvested, 91% 1999, 84% avg.; 7% stripped, 2% 1999, 2% avg. Dark air-cured 95% harvested, 98% 1999, 90% avg. Dark fire-cured 88% harvested, 91% 1999, 86% avg. Winter wheat 3% seeded, 1% 1999, 5% avg. Cotton farmers took advantage of last week's dry conditions, made good progress with harvest before rain showers moved in over the weekend. Producers are now hoping for more dry weather this week. A little less than one-fourth of the State's corn acreage remains to be harvested, with many West state growers finished. With corn, tobacco harvest rapidly winding down, many are now turning their attention to soybeans. In addition to harvesting activities, farmers were busy last week preparing fields for winter wheat seeding, reconditioning pastures.

TEXAS: Cooler temperatures covered the Plains while rain showers associated with another tropical wave occurred along Coastal areas, spread inland across portions of Central, East State. The scattered showers that fell in these areas did little to relieve the extremely dry conditions in place. Land preparations for fall planting remained slow in most areas, however dry planting of small grains increased in some areas as the need for winter grazing was foremost. In some areas where small grains were watered, insect pressure increased in the newly emerged plants. Supplemental feeding of livestock continued in most areas, many producers reduced their herds as hay supplies became scarce. In some locations all water reserves have been depleted, hauling water to livestock became impossible causing further need for herd reduction. Concern continued in many locations over the number of large trees suffering or dying from the dry conditions. Insect populations continued to cause further economic damage to remaining summer crops, some newly emerged grain crops. Field Crops: Small Grains: Dry planting of wheat, oats continued in varied locations across the state, however many producers have elected to wait for adequate rainfall before planting. In earlier planted fields where irrigation was possible, insect pressure continued to increase. Wheat emerged 4%, 18% 1999, 19% average. Oats 6% planted, 24% 1999, 20% average. Corn: Harvest on the Plains continued under cooler conditions. Yields remained variable as the result of the dry conditions, in some areas the crop was considered a failure. Cotton: Dryland cotton across the Plains continued to suffer, prospects for adequate yields have mostly been eliminated. Harvest aids continued to be applied in some locations, but some growers will wait for a frost before beginning harvest. Boll weevil activity continued in some locations. Statewide cotton 46% of normal compared with 59% 1999. Rice: Harvest of the first crop was completed, watering of the second crop continued. Recent rainfall brought some relief to the ratoon crop. In some locations pressure from stink bugs continued. Sorghum: Harvesting progressed across the Plains. In some areas dryland sorghum was being baled as a

result of the dry conditions. Some producers were grazing the failed sorghum fields as available pasture has been depleted. Peanuts: Harvest continued to move forward across the state. Irrigated peanuts continued to show good progress, and yields were expected to be satisfactory. In some areas watering of peanuts continued as maturity had not been reached. Statewide peanut condition was rated at 62 percent of normal compared with 79% 1999. Soybeans: Harvest continued to move ahead as maturity was reached. Irrigated beans continued to be the most productive as the dry conditions have greatly stressed the dryland crop. Some dryland producers have baled their beans as production was estimated to be low and forage for winter will be short. Sunflowers 66% harvested, 52% 1999, 34% avg. Commercial Vegetables, Fruit, Pecans in the Rio Grande Valley earlier showers that crossed portions of the Valley helped to improve land preparation for some producers. In other areas progress remained slow. In the San Antonio-Winter Garden area land preparation remained slow as conditions remained extremely dry. Fall planting efforts continued to be affected as irrigation water was also short in some locations. In East State fall planting remained generally on hold, in some locations crops that were earlier planted had failed. In a few isolated areas where rains fell, drying out was needed before land preparation can begin. In the High Plains harvests continued in isolated areas for watermelons, remained active for pumpkins. Yields remained variable. Pecans: Pecans continued to make fair progress in most areas of the state where irrigation was possible. Severe nut drop continued in the dryer areas, especially where irrigation was marginal or not possible. Survival of trees remained a concern to many producers. Livestock, Pasture, Range Report Conditions for range, pasture, livestock remained unimproved across most areas of the state. The light rainfall that occurred earlier in southern areas brought little to no improvement to range, pasture feeds. Supplemental feeding continued across the state, prospects for winter pasture were bleak in most areas. In many locations it was too late for adequate forage growth before frost, some remaining livestock owners continued to reduce their herds. In a few locations livestock survival was dependent on the amount of supplemental feed available.

UTAH: Days suitable for field work 6. Topsoil 12% very short, 38% short, 50% adequate. Subsoil moisture 26% very short, 38% short, 36% adequate. Winter wheat 45% planted, 42% 1999, 53% avg. Corn in 88% dough stage, 85% 1999, 84% avg.; 67% dent stage, 45% 1999, 49% avg.; 23% mature, 18% 1999, 16% avg.; 49% harvested for silage, 26% 1999, 24% avg. Alfalfa hay 90% 3rd cutting, 89% 1999, 82% avg.; 43% 4th cutting, 26% 1999, 25% avg.; 48% seed harvested, 30% 1999, 36% avg. Onions 52% harvested, 47% 1999, 45% avg. Potatoes 19% harvested, 18% 1999, 20% 5-yr avg. Dry beans 85%, 81% 1999, 68% avg. Cattle moved from summer range 46%, 28% 1999, 27% avg. Sheep/lambs moved from summer range 38%, 23% 1999, 23% avg. Apples picked 55%, 21% 1999, 24% avg. Peaches 96% picked, 81% 1999, 91% avg. Pears 89% picked, 85% 1999, 84% avg. Range, pasture 18% very poor, 43% poor, 31% fair, 8% good. Irrigation water supplies 42% very short, 26% short, 32% adequate. Stock water supplies 14% very short, 38% short, 48% adequate. Major farm, ranch activities included: Harvesting fruit, cutting hay, moving livestock, planting winter grain. Many counties in the state received welcome precipitation this week. Adequate pastureland will still be scarce this winter, many farmers will have to begin feeding hay earlier than normal.

VIRGINIA: Days suitable for fieldwork 5.5. Topsoil 3% very short, 7% short, 76% adequate, 14% surplus. Subsoil moisture 2% very short, 14% short, 77% adequate, 7% surplus. Pastures 3% poor, 13% fair, 61% good, 23% excellent. Livestock 1% poor, 5% fair, 78% good, 16% excellent. Other Hay 2% poor, 7% fair, 64% good, 27% excellent. Alfalfa Hay 1% poor, 5% fair, 56% good, 38% excellent. Corn for Grain 3% fair, 36% good, 61% excellent. Corn 98% dough, 100% 1999, 99% 5-yr avg.; 94% dent, 93% 1999, 94% 5-yr avg.; 67% mature, 75% 1999, 76% 5-yr avg.; Grain 40% harvested, 37% 1999, 37% 5-yr avg.; silage 59% harvested, 79% 1999, 72% 5-yr avg. Soybeans 1% very poor, 5% poor, 12% fair, 47% good, 35% excellent, 99% blooming, 100% 1999, 100% 5-yr avg.; 95% setting pods, 96% 1999, 96% 5-yr avg.; 18% dropping leaves, 18% 1999, 13% 5-yr avg. Winter Wheat 1% seeded, 2% 1999, 4% 5-yr avg. Barley 9% seeded, 5% 1999, 3% 5-yr avg. Flue-cured tobacco 75% harvested, 69% 1999, 72% 5-yr avg. Burley tobacco 74% harvested, 87% 1999, 77% 5-yr avg. Dark Fire-cured tobacco 90% harvested, 91% 1999, 91% 5-yr avg. Sun tobacco 85% harvested, 99% 1999, 93% 5-yr avg. Peanuts 23% fair, 70% good, 7% excellent, 15% dug, 2% 1999, 12% 5-yr avg.; 9% combined, NA 1999, 4% 5-yr avg. Cotton 1% poor, 11% fair, 70% good, 18% excellent, 37% bolls opening, 51% 1999, 71% 5-yr avg. Apples 30% fair, 32% good, 38% excellent. Fall apples 55% harvested, 37% 1999, 32% 5-yr avg. Winter apples 25% harvested, 9% 1999, 5% 5-yr avg. Drier weather for most of the week

aided in the harvest of corn, tobacco. Corn producers are recording excellent yields causing backups at some elevators. Corn fields that have been harvested are being prepared for small grain planting. Fall vegetable harvest continues in some areas, however disease pressure due to excess moisture has been a problem this year. Pumpkin growers have had to purchase pumpkins from other areas to fill their contracts. Cotton defoliation continues, a few areas are reported as being ready for harvest. Other activities for the week included: Marketing cattle, repairing equipment.

WASHINGTON: Days suitable for fieldwork 6.5. Topsoil 9% very short, 33% short, 57% adequate, 1% surplus. Subsoil moisture 4% very short, 42% short, 54% adequate. Winter wheat 46% planted, 65% 1999, 65% avg.; 25% emerged, 35% 1999, 41% avg. Last weeks precipitation continued to provide ideal seeding conditions for winter wheat producers. Potatoes 5% fair, 95% good, 5% excellent. Potatoes 46% harvested, 44% 1999, 39% avg. Alfalfa hay 98% 3rd cutting, 100% 1999, 97% avg. Sporadic rain, colder temperatures caused difficulty baling alfalfa, timothy hay. Hay, roughage, 81% adequate, 19% surplus. Range, Pasture 39% poor, 47% fair, 14% good. Apple harvest progressed nicely last week. Harvest of gala, early golden varieties finished, while picking continued for jonagolds, goldens, early reds. Bartlett pear harvest was completed. Cooler temperatures brought pleasant conditions to producers who continued to harvest potatoes, onions, dry beans. Grape, Hop harvest continued under ideal conditions. U-pick pumpkin farms prepared for the opening of their farms next weekend.

WEST VIRGINIA: Days suitable for fieldwork 4.7. Topsoil 1% short, 92% adequate, 7% surplus. Second cutting of hay, tobacco nearing completion. Corn harvest underway. Hay 17% fair, 62% good, 21% excellent; Hay 92% 2nd cut, 86% 1999, 93% 5-yr avg.; 65% 3rd cut, 52% 1999, 59% 5-yr avg. Corn 5% fair, 59% good, 36% excellent.; 95% doughing, 97% 1999, 99% 5-yr avg.; 89% denting, 74% 1999, 69% 5-yr avg.; 45% Mature, 62% 1999, 57% 5-yr avg.; 1% harvested, 13% 1999, 21% 5-yr avg. Soybean 14% fair, 45% good, 41% excellent.; 71% dropping leaves, 70% 1999, 76% 5-yr avg.; 27% harvested for grain, 9% 1999. Tobacco 96% harvested, 58% 1999, 82% 5-yr avg. Wheat 11% planted. Apple 9% poor, 9% fair, 57% good, 25% excellent; 16% harvested, 40% 1999. Cattle 11% fair, 66% good, 23% excellent. Sheep 15% fair, 67% good, 18% excellent.

WISCONSIN: Days suitable for fieldwork 4.5. Soil moisture 4% very short, 7% short, 78% adequate, 11% surplus. There were a few reports of frost, but no significant crop damage. Corn silage harvest picked up speed, fourth hay cuttings continued around the state. Fourth crop hay 42% 2000, 42% 1999. Fall tillage 7% 2000, 14% 1999, 9% avg. Cranberry harvest was just beginning. Pasture feed 2% very poor, 10% poor, 30% fair, 49% good, 9% excellent.

WYOMING: Days suitable for fieldwork 4.6. Topsoil 23% very short, 53% short, 19% adequate, 5% surplus. Subsoil moisture 39% very short, 50% short, 8% adequate, 3% surplus. Oats 96% harvested, 91% 1999, 93% avg. Winter wheat 85% planted 2001, 93% 1999, 91% avg.; 58% emerged, 76% 1999, 68% avg. Corn 93% dent, 88% 1999, 94% avg.; 53% mature, 63% 1999, 66% avg.; 1% harvested, 0% 1999, 2% avg.; 81% silage harvested, 75% 1999, 70% avg.; 1% very poor, 4% poor, 3% fair, 88% good, 4% excellent. Dry beans 98% windrowed, 91% 1999, 96% avg.; 80% combined, 66% 1999, 74% avg. Sugarbeets 8% harvested, 13% 1999, 5% avg. Sugarbeets 1% poor, 7% fair, 87% good, 5% excellent. Alfalfa 66% 3rd cutting, 49% 1999, 48% avg. Range, pasture feed 35% very poor, 44% poor, 17% fair, 4% good. Stock water supplies 44% very short, 32% short, 24% adequate. Moisture received across entire state.